Hallite
Fenner Advanced Sealing Technologies

601 CS

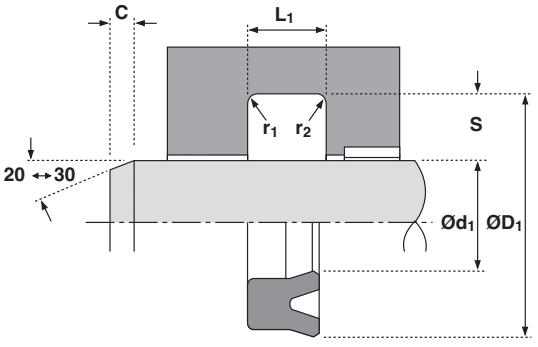
Technical details

	Metric	Inch
Operating conditions		
Maximum Speed	1.0 m/sec	3.0 ft/sec
Temperature Range	-45°C +80°C	-50°F +180°F
Maximum Pressure	16 bar	230 p.s.i.

Surface roughness	µmRa	µmRt	µinCLA	µinRMS
Dynamic Sealing Face – Rod Ød$_1$	0.1 <> 0.4	4 max	4 <> 16	5 <> 18
Static Sealing Face – Rod ØD$_1$	1.6 max	10 max	63 max	70 max
Static Housing Faces L$_1$	3.2 max	16 max	125 max	140 max

Chamfers & Radii			
Groove Section≤ S in	0.125	0.187	0.250
Min Chamfer C in	0.093	0.093	0.125
Max Fillet Rad r$_1$ in	0.008	0.008	0.016
Max Fillet Rad r$_2$ in	0.016	0.016	0.032

Tolerances	Ød$_1$	ØD$_1$	L$_1$ in
Rod	f9	Js11	+0.010 -0



Design

The 601CS is based on the traditional Hallite 601 seal with the exception being that the design is purpose built for cable sealing applications on rodless pneumatic cylinders. The symmetric design and machine trimmed lips allow ample cable interference to prevent leakage.

The seals are produced using the black version of Hythane® 181 polyurethane and are engineered to effect a good seal in rodless, cable-based, cylinders.

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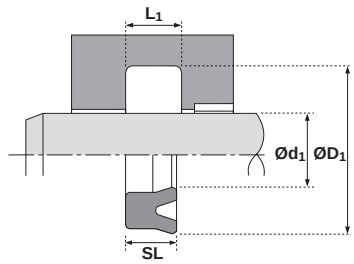

Ød1	TOL f9	ØD1	TOL Js11	SL	L1 +0.01-0	PART No.
0.093	-0.0003 -0.0012	0.343	+0.0013 -0.0013	0.125	0.150	9800000
0.187	-0.0004 -0.0016	0.562	+0.0015 -0.0015	0.312	0.344	9800500

Ød1	TOL f9	ØD1	TOL Js11	SL	L1 +0.01-0	PART No.
0.250	-0.0005 -0.0019	0.500	+0.0018 -0.0018	0.312	0.344	9801000
0.312	-0.0005 -0.0019	0.812	+0.0018 -0.0018	0.312	0.344	9801500